

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

1. **(Currently Amended)** A method of assembling a tire and a wheel rim, comprising the steps of:

(1) determining a Radial Runout (RRO) value Wr1 (Wr1) (unit: mm) in a primary component of the RRO of the wheel rim, a phase θrl (θrl) (unit: °) of a peak position thereof, (P) corresponding to the maximum crest portion of the primary wave form, an unbalance level Wub (Wub) (unit: g) of a heavy point in a weight unbalance of the wheel rim, a phase θub thereof (unit: °), (θub) (unit: °) of said unbalance level (Wub), a radial distance L (L) (unit: mm) of a balance weight mounting position for correcting the weight unbalance from an axis center of the wheel rim, a weight Tt (Tt) (unit: mm) of the tire, and a phase αt (αt) of a light point in the weight unbalance of the tire;

(2) determining a phase θc (θc) of a correction unbalance We (Wc) found by the following formula (1), by using the RRO value Wr1, (Wr1), the phase θrl, (θrl), the unbalance level Wub, (Wub), the phase θub, (θub), the distance L, (L), the weight Tt (Tt) and the phase αt (αt) determined in the preceding step; and

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$\theta_c = \tan^{-1} [[W_{ub} \times \sin \theta_{ub} + \{ (W_{rl} \times T_t) / (2 \times L) \} \times \sin \theta_{rl}] / [W_{ub} \times \cos \theta_{ub} + \{ (W_{rl} \times T_t) / (2 \times L) \} \times \cos \theta_{rl}]] \dots (1)$

(3) assembling the tire and the wheel rim in a state of aligning the phase θ_e (θ_c) of the correction unbalance W_c with the phase ~~at~~ (α_t) of the light point of the tire.

2. (New) The method of assembling a tire and a wheel rim according to claim 1, wherein said RRO is measured using a contact type displacement gauge.